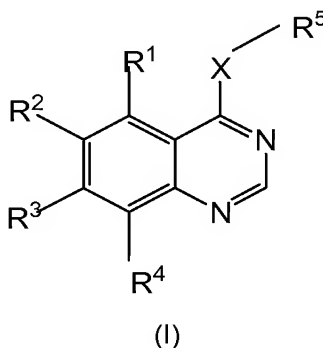


Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

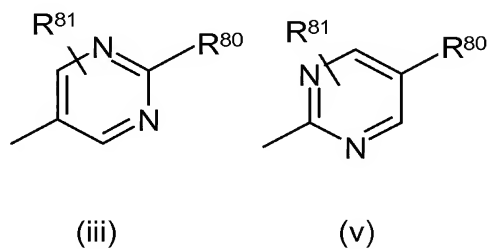
1. (Currently amended) A compound of formula (I)



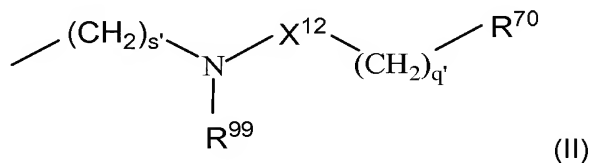
or a salt thereof;

where X is O, or S, S(O), S(O)₂ or NR⁶ where R⁶ is hydrogen or C₁₋₆alkyl;

R⁵ is a group of sub-formula (iii) or (v)



where R⁸⁰ is a group of sub-formula (II)



where q' is 0, 1, 2, 3 or 4;

s' is 0 or 1;

X¹² is C(O) or S(O₂),

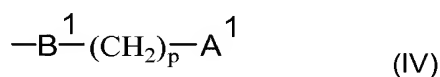
R⁷⁰ is C₃₋₇cycloalkyl,

or R⁷⁰ is of the Formula (III):



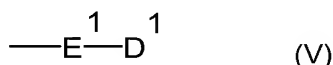
wherein J is aryl, heteroaryl or heterocyclyl and K is a bond, oxy, imino, *N*-(C₁₋₆alkyl)imino, oxyC₁₋₆alkylene, iminoC₁₋₆alkylene, *N*-(C₁₋₆alkyl)iminoC₁₋₆alkylene, -NHC(O)-, -SO₂NH-, -NHSO₂- or -NHC(O)-C₁₋₆alkylene-,

and any aryl, heteroaryl or heterocyclyl group in a R⁷⁰ group is optionally substituted by one or more groups selected from hydroxy, oxo, halo, trifluoromethyl, cyano, mercapto, nitro, amino, carboxy, carbamoyl, formyl, sulphamoyl, C₁₋₆alkyl, C₂₋₆alkenyl, C₂₋₆alkynyl, C₁₋₆alkoxy, -O-(C₁₋₃alkyl)-O-, C₁₋₆alkylS(O)_n- wherein n is 0-2, *N*-C₁₋₆alkylamino, *N,N*-(C₁₋₆alkyl)₂amino, C₁₋₆alkoxycarbonyl, *N*-C₁₋₆alkylcarbamoyl, *N,N*-(C₁₋₆alkyl)₂carbamoyl, C₂₋₆alkanoyl, C₁₋₆alkanoyloxy, C₁₋₆alkanoylamino, *N*-C₁₋₆alkylsulphamoyl, *N,N*-(C₁₋₆alkyl)₂sulphamoyl, C₁₋₆alkylsulphonylamino and C₁₋₆alkylsulphonyl-*N*-(C₁₋₆alkyl)amino, or any aryl, heteroaryl or heterocyclyl group in a R⁷⁰ group is optionally substituted with one or more groups of the Formula (IV):



wherein A¹ is halo, hydroxy, C₁₋₆alkoxy, cyano, amino, *N*-C₁₋₆alkylamino, *N,N*-(C₁₋₆alkyl)₂amino, carboxy, C₁₋₆alkoxycarbonyl, carbamoyl, *N*-C₁₋₆alkylcarbamoyl or *N,N*-(C₁₋₆alkyl)₂carbamoyl, p is 1 - 6, and B¹ is a bond, oxy, imino, *N*-(C₁₋₆alkyl)imino or -NHC(O)-, with the proviso that p is 2 or more unless B¹ is a bond or -NHC(O)-;

or any aryl, heteroaryl or heterocyclyl group in a R⁷⁰ group is optionally substituted with one or more groups of the Formula (V):



wherein D¹ is aryl, heteroaryl or heterocyclyl and E¹ is a bond, C₁₋₆alkylene, oxyC₁₋₆alkylene, oxy, imino, *N*-(C₁₋₆alkyl)imino, iminoC₁₋₆alkylene, *N*-(C₁₋₆alkyl)-iminoC₁₋₆alkylene,

C₁₋₆alkylene-oxyC₁₋₆alkylene, C₁₋₆alkylene-iminoC₁₋₆alkylene,

C₁₋₆alkylene-*N*-(C₁₋₆alkyl)-iminoC₁₋₆alkylene, -NHC(O)-, -NHSO₂-, -SO₂NH- or

-NHC(O)-C₁₋₆alkylene-, and any aryl, heteroaryl or heterocyclyl group in a R⁷⁰ group is optionally substituted with one or more groups selected from hydroxy, halo, C₁₋₆alkyl, C₁₋₆alkoxy, carboxy, C₁₋₆alkoxycarbonyl, carbamoyl, *N*-C₁₋₆alkylcarbamoyl, *N*-(C₁₋₆alkyl)₂carbamoyl, C₂₋₆alkanoyl, amino, *N*-C₁₋₆alkylamino and *N,N*-(C₁₋₆alkyl)₂amino,

and any C₃₋₇cycloalkyl or heterocyclyl group in a R⁷⁰ group is optionally substituted with one or two oxo or thioxo substituents,

and any of the R⁷⁰ groups defined hereinbefore which comprises a CH₂ group which is attached to 2 carbon atoms or a CH₃ group which is attached to a carbon atom may optionally bear on

Application No. 10/088,856
Amendment Dated 01/23/2007
Reply to Office Action of 10/23/2006

each said CH₂ or CH₃ group a substituent selected from hydroxy, amino, C₁₋₆alkoxy,

N-C₁₋₆alkylamino, N,N-(C₁₋₆alkyl)₂amino and heterocyclyl;

or R⁷⁰ may be cycloalkenyl;

and R⁹⁹ is hydrogen or a group C(O)R⁷⁰ where R⁷⁰ is as defined above;

and

R⁸¹ is hydrogen, halo, C₁₋₄alkoxy, cyano, trifluoromethyl, or phenyl, and

R¹, R², R³, R⁴ are independently selected from halogeno, cyano, nitro, C₁₋₃alkylsulphanyl,

-N(OH)R⁷- wherein R⁷ is hydrogen, or C₁₋₃alkyl, or R⁹X¹- wherein X¹ represents a direct bond,

-O-, -CH₂-, -OC(O)-, -C(O)-, -S-, -SO-, -SO₂-, -NR¹⁰C(O)-, -C(O)NR¹¹-, -SO₂NR¹²-, -NR¹³SO₂- or

-NR¹⁴-, wherein R¹⁰, R¹¹, R¹², R¹³ and R¹⁴ each independently represents hydrogen, C₁₋₃alkyl or

C₁₋₃alkoxyC₂₋₃alkyl, provided that at least one of R¹, R², R³ and R⁴ is a group R⁹X¹- and R⁹ is

selected from one of the following groups: provided that at least one of R² or R³ is other than hydrogen;

1) hydrogen or C₁₋₅alkyl which may be unsubstituted or which may be substituted with one or more groups selected from hydroxy, oxiranyl, fluoro, chloro, bromo and amino;

2) -R^aX²C(O)R¹⁵ wherein X² represents -O- or -NR¹⁶- in which R¹⁶ represents hydrogen, C₁₋₃alkyl or C₁₋₃alkoxyC₂₋₃alkyl and R¹⁵ represents C₁₋₃alkyl, -NR¹⁷R¹⁸ or -OR¹⁹ wherein R¹⁷, R¹⁸ and R¹⁹ which may be the same or different each represents hydrogen, C₁₋₅alkyl, hydroxyC₁₋₅alkyl or C₁₋₃alkoxyC₂₋₃alkyl;

3) -R^bX³R²⁰ wherein X³ represents -O-, C(O)-S-, -SO-, -SO₂-, -OC(O)-, -NR²¹C(O)_s-, -C(O)NR²²-, -SO₂NR²³-, -NR²⁴SO₂- or -NR²⁵- wherein R²¹, R²², R²³, R²⁴ and R²⁵ each independently represents hydrogen, C₁₋₃alkyl, hydroxy C₁₋₄alkyl or C₁₋₃alkoxyC₂₋₃alkyl and s is 1 or 2 and R²⁰ represents hydrogen, C₁₋₆alkyl, C₂₋₆alkenyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, phenyl or a 5-6-membered saturated heterocyclic group with 1-2 heteroatoms, selected independently from O, S and N, which C₁₋₆alkyl group may bear 1, 2 or 3 substituents selected from oxo, hydroxy, halogeno, cyclopropyl, amino, C₁₋₄alkylamino, C₁₋₄alkanoyldi-C₁₋₄alkylamino, C₁₋₄alkylthio, C₁₋₄alkoxy and which cyclic group may bear 1 or 2 substituents selected from oxo, hydroxy, halogeno, cyano, C₁₋₄cyanoalkyl, C₁₋₄alkyl, C₁₋₄hydroxyalkyl, C₁₋₄alkoxy, C₁₋₄alkoxyC₁₋₄alkyl, C₁₋₄alkylsulphonylC₁₋₄alkyl, C₁₋₄alkoxycarbonyl, C₁₋₄aminoalkyl, C₁₋₄alkylamino, di(C₁₋₄alkyl)amino, C₁₋₄alkylaminoC₁₋₄alkyl, di(C₁₋₄alkyl)aminoC₁₋₄alkyl, C₁₋₄alkylaminoC₁₋₄alkoxy, di(C₁₋₄alkyl)aminoC₁₋₄alkoxy and a group -(O-)_f(R^b)_gD² wherein f is 0 or 1, g is 0 or 1 and D² is a C₃₋₆cycloalkyl group or a 5-6-membered saturated heterocyclic group with 1-2 heteroatoms, selected independently from O, S and N, which cyclic group may bear one or more substituents selected from C₁₋₄alkyl;

4) $-R^cX^4R^cX^5R^{26}$ wherein X^4 and X^5 which may be the same or different are each $-O-$, $C(O)$, $-S-$, $-SO-$, $-SO_2-$, $-NR^{27}C(O)_s-$, $-C(O)_sNR^{28}-$, $-SO_2NR^{29}-$, $-NR^{30}SO_2-$ or $-NR^{31}-$ wherein R^{27} , R^{28} , R^{29} , R^{30} and R^{31} each independently represents hydrogen, C_{1-3} alkyl or C_{1-3} alkoxy C_{2-3} alkyl and s is 1 or 2 and R^{26} represents hydrogen, C_{1-3} alkyl, hydroxy C_{1-3} alkyl or C_{1-3} alkoxy C_{2-3} alkyl;

5) R^{32} wherein R^{32} is a 4-6-membered cycloalkyl or saturated heterocyclic ring, linked via carbon or nitrogen, with 1-2 heteroatoms, selected independently from O, S and N, which cycloalkyl or heterocyclic group may bear 1 or 2 substituents selected from oxo, hydroxy, halogeno, cyano, C_{1-4} alkyl, hydroxy C_{1-4} alkyl, ~~C_{1-4} alkoxy C_{1-4} alkyl~~, cyano C_{1-4} alkyl, cyclopropyl, C_{1-4} alkylsulphonyl C_{1-4} alkyl, C_{1-4} alkoxycarbonyl, carboxamido, C_{1-4} aminoalkyl, C_{1-4} alkylamino, di(C_{1-4} alkyl)amino, C_{1-4} alkylamino C_{1-4} alkyl, C_{1-4} alkanoyl, di(C_{1-4} alkyl)amino C_{1-4} alkyl, C_{1-4} alkylamino C_{1-4} alkoxy, di(C_{1-4} alkyl)amino C_{1-4} alkoxy, nitro, amino, C_{1-4} alkoxy, C_{1-4} hydroxyalkoxy, carboxy, trifluoromethyl, $-C(O)NR^{38}R^{39}$, $-NR^{40}C(O)R^{41}$, wherein R^{38} , R^{39} , R^{40} and R^{41} , which may be the same or different, each represents hydrogen, C_{1-4} alkyl, hydroxy C_{1-4} alkyl or C_{1-3} alkoxy C_{2-3} alkyl, and a group $-(O-)_f(C_{1-4}alkyl)_g$ ringD wherein f is 0 or 1, g is 0 or 1 and ring D is a cyclic group selected from C_{3-6} cycloalkyl, aryl or 5-6-membered saturated or unsaturated heterocyclic group with 1-2 heteroatoms, selected independently from O, S and N, which cyclic group may bear one or more substituents selected from halo and C_{1-4} alkyl;

6) $-R^dR^{32}$ wherein R^{32} is as defined hereinbefore;

7) $-R^eR^{32}$ wherein R^{32} is as defined hereinbefore;

8) $-R^fR^{32}$ wherein R^{32} is as defined hereinbefore;

9) R^{33} wherein R^{33} represents a pyridone group, a phenyl group or a 5-6-membered aromatic heterocyclic group, linked via carbon or nitrogen, with 1-3 heteroatoms selected from O, N and S, which pyridone, phenyl or aromatic heterocyclic group may carry up to 5 substituents selected from hydroxy, nitro, halogeno, amino, C_{1-4} alkyl, C_{1-4} alkoxy, C_{1-4} hydroxyalkyl, C_{1-4} aminoalkyl, C_{1-4} alkylamino, C_{1-4} hydroxyalkoxy, oxo, cyano C_{1-4} alkyl, cyclopropyl, C_{1-4} alkylsulphonyl C_{1-4} alkyl, C_{1-4} alkoxycarbonyl, di(C_{1-4} alkyl)amino, C_{1-4} alkylamino C_{1-4} alkyl, C_{1-4} alkanoyl, di(C_{1-4} alkyl)amino C_{1-4} alkyl, C_{1-4} alkylamino C_{1-4} alkoxy, di(C_{1-4} alkyl)amino C_{1-4} alkoxy, carboxy, carboxamido, trifluoromethyl, cyano, $-C(O)NR^{38}R^{39}$, $-NR^{40}C(O)R^{41}$, wherein R^{38} , R^{39} , R^{40} and R^{41} , which may be the same or different, each represents hydrogen, C_{1-4} alkyl, hydroxy C_{1-4} alkyl or C_{1-3} alkoxy C_{2-3} alkyl, and a group $-(O-)_f(C_{1-4}alkyl)_g$ ringD wherein f is 0 or 1, g is 0 or 1 and ring D is a cyclic group selected from C_{3-6} cycloalkyl, aryl or 5-6-membered saturated or unsaturated heterocyclic group with 1-2 heteroatoms, selected independently from O, S and N, which cyclic group may bear one or more substituents selected from halo and C_{1-4} alkyl;

- 10) $-R^gR^{33}$ wherein R^{33} is as defined hereinbefore;
- 11) $-R^hR^{33}$ wherein R^{33} is as defined hereinbefore;
- 12) $-R^iR^{33}$ wherein R^{33} is as defined hereinbefore;
- 13) $-R^jX^6R^{33}$ wherein X^6 represents $-O-$, $-C(O)-$, $-S-$, $-SO-$, $-SO_2-$, $-OC(O)-$, $-NR^{38}C(O)-$, $-C(O)NR^{39}-$, $-SO_2NR^{40}-$, $-NR^{41}SO_2-$ or $-NR^{42}-$, wherein R^{38} , R^{39} , R^{40} , R^{41} and R^{42} each independently represents hydrogen, C_{1-3} alkyl, hydroxy C_{1-3} alkyl or C_{1-3} alkoxy C_{2-3} alkyl, and R^{33} is as defined hereinbefore;
- 14) $-R^kX^7R^{33}$ wherein X^7 represents $-O-$, $C(O)-$, $-S-$, $-SO-$, $-SO_2-$, $-NR^{43}C(O)-$, $-C(O)NR^{44}-$, $-SO_2NR^{45}-$, $-NR^{46}SO_2-$ or $-NR^{47}-$, wherein R^{43} , R^{44} , R^{45} , R^{46} and R^{47} each independently represents hydrogen, C_{1-3} alkyl, hydroxy C_{1-3} alkyl or C_{1-3} alkoxy C_{2-3} alkyl, and R^{33} is as defined hereinbefore;
- 15) $-R^mX^8R^{33}$ wherein X^8 represents $-O-$, $-C(O)-$, $-S-$, $-SO-$, $-SO_2-$, $-NR^{48}C(O)-$, $-C(O)NR^{49}-$, $-SO_2NR^{50}-$, $-NR^{51}SO_2-$ or $-NR^{52}-$, wherein R^{48} , R^{49} , R^{50} , R^{51} and R^{52} each independently represents hydrogen, C_{1-3} alkyl, hydroxy C_{1-3} alkyl or C_{1-3} alkoxy C_{2-3} alkyl, and R^{33} is as defined hereinbefore;
- 16) $-R^nX^9R^{33}$ wherein X^9 represents $-O-$, $-C(O)-$, $-S-$, $-SO-$, $-SO_2-$, $-NR^{53}C(O)-$, $-C(O)NR^{54}-$, $-SO_2NR^{55}-$, $-NR^{56}SO_2-$ or $-NR^{57}-$, wherein R^{53} , R^{54} , R^{55} , R^{56} and R^{57} each independently represents hydrogen, C_{1-3} alkyl, hydroxy C_{1-3} alkyl or C_{1-3} alkoxy C_{2-3} alkyl, and R^{33} is as defined hereinbefore;
- 17) $-R^pX^9-R^pR^{32}$ wherein X^9 and R^{32} are as defined hereinbefore;
- 18) C_{2-5} alkenyl which may be unsubstituted or which may be substituted with one or more groups selected from hydroxy, fluoro, amino, C_{1-4} alkylamino, N,N -di(C_{1-4} alkyl)amino, aminosulphonyl, N - C_{1-4} alkylaminosulphonyl and N,N -di(C_{1-4} alkyl)aminosulphonyl;
- 19) C_{2-5} alkynyl which may be unsubstituted or which may be substituted with one or more groups selected from hydroxy, fluoro, amino, C_{1-4} alkylamino, N,N -di(C_{1-4} alkyl)amino, aminosulphonyl, N - C_{1-4} alkylaminosulphonyl and N,N -di(C_{1-4} alkyl)aminosulphonyl;
- 20) $-R^tX^9R^tR^{32}$ wherein X^9 and R^{32} are as defined hereinbefore;
- 21) $-R^uX^9R^uR^{32}$ wherein X^9 and R^{32} are as defined hereinbefore; and
- 22) $-R^vR^{58}(R^v)_q(X^9)_rR^{59}$ wherein X^9 is as defined hereinbefore, q is 0 or 1, r is 0 or 1, and R^{58} is a C_{1-3} alkylene group or a cyclic group selected from cyclopropyl, cyclobutyl, cyclopentylene, cyclohexylene or a 5-6-membered saturated heterocyclic group with 1-2 heteroatoms, selected independently from O, S and N, which C_{1-3} alkylene group may bear 1 or 2 substituents selected from oxo, hydroxy, halogeno and C_{1-4} alkoxy and which cyclic group may bear 1 or 2 substituents selected from oxo, hydroxy, halogeno, cyano, C_{1-4} cyanoalkyl, C_{1-4} alkyl, C_{1-4} hydroxyalkyl,

C_{1-4} alkoxy, C_{1-4} alkoxy C_{1-4} alkyl, C_{1-4} alkylsulphonyl C_{1-4} alkyl, C_{1-4} alkoxycarbonyl, C_{1-4} aminoalkyl, C_{1-4} alkylamino, di(C_{1-4} alkyl)amino, C_{1-4} alkylamino C_{1-4} alkyl, di(C_{1-4} alkyl)amino C_{1-4} alkyl, C_{1-4} alkylamino C_{1-4} alkoxy, di(C_{1-4} alkyl)amino C_{1-4} alkoxy and a group $-(-O-)_f(C_{1-4}alkyl)_gringD$, wherein f is 0 or 1, g is 0 or 1 and ring D is a cyclic group selected from C_{3-6} cycloalkyl, aryl or 5-6-membered saturated or unsaturated heterocyclic group with 1-2 heteroatoms, selected independently from O, S and N, which cyclic group may bear one or more substituents selected from halo and C_{1-4} alkyl; and R^{59} is hydrogen, C_{1-3} alkyl, or a cyclic group selected from cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl and a 5-6-membered saturated heterocyclic group with 1-2 heteroatoms, selected independently from O, S and N, which C_{1-3} alkyl group may bear 1 or 2 substituents selected from oxo, hydroxy, halogeno, C_{1-4} alkoxy and which cyclic group may bear 1 or 2 substituents selected from oxo, hydroxy, halogeno, cyano, C_{1-4} cyanoalkyl, C_{1-4} alkyl, C_{1-4} hydroxyalkyl, C_{1-4} alkoxy, C_{1-4} alkoxy C_{1-4} alkyl, C_{1-4} alkylsulphonyl C_{1-4} alkyl, C_{1-4} alkoxycarbonyl, C_{1-4} aminoalkyl, C_{1-4} alkylamino, di(C_{1-4} alkyl)amino, C_{1-4} alkylamino C_{1-4} alkyl, di(C_{1-4} alkyl)amino C_{1-4} alkyl, C_{1-4} alkylamino C_{1-4} alkoxy, di(C_{1-4} alkyl)amino C_{1-4} alkoxy and a group $-(-O-)_f(C_{1-4}alkyl)_gringD$ wherein f is 0 or 1, g is 0 or 1 and D is a cyclic group selected from C_{3-6} cycloalkyl, aryl or 5-6-membered saturated or unsaturated heterocyclic group with 1-2 heteroatoms, selected independently from O, S and N, which cyclic group may bear one or more substituents selected from halo and C_{1-4} alkyl;

and wherein R^a , R^b , $R^{b'}$, R^c , $R^{c'}$, R^d , R^g , R^j , R^n , $R^{n'}$, R^p , $R^{p'}$, R^t , R^u , R^v and $R^{v'}$ are independently selected from C_{1-8} alkylene groups optionally substituted by one or more substituents selected from hydroxy, halogeno, amino,

R^e , R^h , R^k and R^t are independently selected from C_{2-8} alkenylene groups optionally substituted by one or more substituents selected from hydroxy, halogeno, amino, and R^t may additionally be a bond; and

R^f , R^i , R^m and R^u are independently selected from by C_{2-8} alkynylene groups optionally substituted by one or more substituents selected from hydroxy, halogeno, amino; and

where a functional group is selected from nitro, cyano, halo, oxo, $=CR^{78}R^{79}$, $C(O)_xR^{77}$, OR^{77} , $S(O)_yR^{77}$, $NR^{78}R^{79}$, $C(O)NR^{78}R^{79}$, $OC(O)NR^{78}R^{79}$, $=NOR^{77}$, $-NR^{77}C(O)_xR^{78}$, $-NR^{77}CONR^{78}R^{79}$, $-N=CR^{78}R^{79}$, $S(O)_yNR^{78}R^{79}$ or $-NR^{77}S(O)_yR^{78}$ where R^{77} , R^{78} and R^{79} are independently selected from hydrogen, optionally substituted hydrocarbyl, optionally substituted heterocyclyl or optionally substituted alkoxy, or R^{78} and R^{79} together form an optionally substituted ring which optionally contains further heteroatoms such as oxygen, nitrogen, S, S(O) or S(O)₂, where x is an integer of 1 or 2, y is 0 or an integer of 1-3 and where hydrocarbyl, heterocyclyl or alkoxy groups R^{77} , R^{78} and R^{79} as well as rings formed by R^{78} and R^{79} are optionally substituted by halo,

perhaloalkyl, mercapto, alkylthio, hydroxy, carboxy, alkoxy, heteroaryl, heteroaryloxy, cycloalkyl, cycloalkenyl, cycloalkynyl, alkenyloxy, alkynyloxy, alkoxyalkoxy, aryloxy where the aryl group may be substituted by halo, nitro, or hydroxy, cyano, nitro, amino, mono- or di-alkyl amino, oximino or $S(O)_yR^{90}$ where y is 0 or an integer of 1-3 and R^{90} is a alkyl; and wherein hydrocarbonyl is selected from alkyl, alkenyl, alkynyl, aryl, aralkyl, cycloalkyl, cycloalkenyl, or combinations thereof.

2-5. (Canceled)

6. (Currently amended) A compound according to claim 1 wherein R^1 , R^2 , R^3 , R^4 are independently selected from, halo, cyano, nitro, trifluoromethyl, C_{1-3} alkyl, or other groups from formula $-X^1R^9$ wherein X^1 represents a direct bond, -O-, $-CH_2-$, $-OCO-$, carbonyl, -S-, $-SO-$, $-SO_2-$, $-NR^{10}CO-$, $-CONR^{11}-$, $-SO_2NR^{12}-$, $-NR^{13}SO_2-$ or $-NR^{14}-$, wherein R^{10} , R^{11} , R^{12} , R^{13} and R^{14} each independently represents hydrogen, C_{1-3} alkyl or C_{1-3} alkoxy C_{2-3} alkyl, and R^9 is selected from one of the following groups:

1') hydrogen or C_{1-5} alkyl which may be unsubstituted or which may be substituted with one or more groups selected from hydroxy, fluoro or amino,

2') $C_{1-5}alkylX^2C(O)R^{15}$ wherein X^2 represents -O- or $-NR^{16}-$ In which $R^{16}[[^{15}]]$ represents hydrogen, C_{1-3} alkyl or C_{1-3} alkoxy C_{2-3} alkyl and R^{15} represents C_{1-3} alkyl, $-NR^{17}R^{18}$ or $-OR^{19}$ wherein R^{17} , R^{18} and R^{19} which may be the same or different each represents hydrogen, C_{1-3} alkyl or C_{1-3} alkoxy C_{2-3} alkyl;

3') $C_{1-5}alkylX^3R^{20}$ wherein X^3 represents -O-, -S-, $-SO-$, $-SO_2-$, $-OCO-$, $-NR^{21}CO-$, $-CONR^{22}-$, $-SO_2NR^{23}-$, $-NR^{24}SO_2-$ or $-NR^{25}-$, wherein R^{21} , R^{22} , R^{23} , R^{24} and R^{25} each independently represents hydrogen, C_{1-3} alkyl or C_{1-3} alkoxy C_{2-3} alkyl and R^{20} represents hydrogen, C_{1-3} alkyl, cyclopentyl, cyclohexyl or a 5-6-membered saturated heterocyclic group with 1-2 heteroatoms, selected independently from O, S and N, which C_{1-3} alkyl group may bear 1 or 2 substituents selected from oxo, hydroxy, halogeno and C_{1-4} alkoxy and which cyclic group may bear 1 or 2 substituents selected from oxo, hydroxy, halogeno, C_{1-4} alkyl, C_{1-4} hydroxyalkyl and C_{1-4} alkoxy;

4') $C_{1-5}alkylX^4C_{1-5}alkylX^5R^{26}$ wherein X^4 and X^5 which may be the same or different are each -O-, -S-, $-SO-$, $-SO_2-$, $-NR^{27}CO-$, $-CONR^{28}-$, $-SO_2NR^{29}-$, $-NR^{30}SO_2-$ or $-NR^{31}-$, wherein R^{27} , R^{28} , R^{29} , R^{30} and R^{31} each independently represents hydrogen, C_{1-3} alkyl or C_{1-3} alkoxy C_{2-3} alkyl and R^{26} represents hydrogen or C_{1-3} alkyl;

5') R^{32} wherein R^{32} is a 5-6-membered saturated heterocyclic group, linked via carbon or nitrogen, with 1-2 heteroatoms, selected independently from O, S and N, which heterocyclic

group may bear 1 or 2 substituents selected from oxo, hydroxy, halogeno, C₁₋₄alkyl, C₁₋₄hydroxyalkyl, C₁₋₄alkoxy, ~~C₁₋₄alkoxyC₁₋₄alkyl~~ and C₁₋₄alkylsulphonylC₁₋₄alkyl;

6') C₁₋₅alkylR³² wherein R³² is as defined in (5') above;

7') C₂₋₅alkenylR³² wherein R³² is as defined in (5') above;

8') C₂₋₅alkynylR³² wherein R³² is as defined in (5') above;

9') R³³ wherein R³³ represents a pyridone group, a phenyl group or a 5-6-membered aromatic heterocyclic group, linked via carbon or nitrogen, with 1-3 heteroatoms selected from O, N and S, which pyridone, phenyl or aromatic heterocyclic group may carry up to 5 substituents on an available carbon atom selected from hydroxy, halogeno, amino, C₁₋₄alkyl, C₁₋₄alkoxy, C₁₋₄hydroxyalkyl, C₁₋₄aminoalkyl, C₁₋₄alkylamino, C₁₋₄hydroxyalkoxy, carboxy, trifluoromethyl, cyano, -CONR³⁸R³⁹ and -NR⁴⁰COR⁴¹, wherein R³⁸, R³⁹, R⁴⁰ and R⁴¹, which may be the same or different, each represents hydrogen, C₁₋₄alkyl or C₁₋₃alkoxyC₂₋₃alkyl;

10') C₁₋₅alkylR³³ wherein R³³ is as defined in (9') above;

11') C₂₋₅alkenylR³³ wherein R³³ is as defined in (9') above;

12') C₂₋₅alkynylR³³ wherein R³³ is as defined in (9') above;

13') C₁₋₅alkylX⁶R³³ wherein X⁶ represents -O-, -S-, -SO-, -SO₂-, -NR^{38'}CO-, -CONR^{39'}-, -SO₂NR^{40'}-, -NR^{41'}SO₂- or -NR^{42'}-, wherein R^{38'}, R^{39'}, R^{40'}, R^{41'} and R^{42'} each independently represents hydrogen, C₁₋₃alkyl or C₁₋₃alkoxyC₂₋₃alkyl, and R³³ is as defined hereinbefore;

14') C₂₋₅alkenylX⁷R³³ wherein X⁷ represents -O-, -S-, -SO-, -SO₂-, -NR⁴³CO-, -CONR⁴⁴-, -SO₂NR⁴⁵-, -NR⁴⁶SO₂- or -NR⁴⁷-, wherein R⁴³, R⁴⁴, R⁴⁵, R⁴⁶ and R⁴⁷ each independently represents hydrogen, C₁₋₃alkyl or C₁₋₃alkoxyC₂₋₃alkyl, and R³³ is as defined hereinbefore;

15') C₂₋₅alkynylX⁸R³³ wherein X⁸ represents -O-, -S-, -SO-, -SO₂-, -NR⁴⁸CO-, -C(O)NR⁴⁹-, -SO₂NR⁵⁰-, -NR⁵¹SO₂- or -NR⁵²-, wherein R⁴⁸, R⁴⁹, R⁵⁰, R⁵¹ and R⁵² each independently represents hydrogen, C₁₋₃alkyl or C₁₋₃alkoxyC₂₋₃alkyl, and R³³ is as defined hereinbefore;

16') C₁₋₃alkylX⁹C₁₋₃alkylR³³ wherein X⁹ represents -O-, -S-, -SO-, -SO₂-, -NR⁵³CO-, -C(O)NR⁵⁴-, -SO₂NR⁵⁵-, -NR⁵⁶SO₂- or -NR⁵⁷-, wherein R⁵³, R⁵⁴, R⁵⁵, R⁵⁶ and R⁵⁷ each independently represents hydrogen, C₁₋₃alkyl or C₁₋₃alkoxyC₂₋₃alkyl, and R³³ is as defined hereinbefore; and

17') C₁₋₃alkylX⁹C₁₋₃alkylR³² wherein X⁹ and R³² are as defined in (5') above, provided that at least one of R² or R³ is other than hydrogen.

7. (Previously presented) A compound according to claim 1, where R¹ is hydrogen and R⁴ is hydrogen, halo, C₁₋₄alkyl or C₁₋₄alkoxy.

8-9. (Canceled)

10. (Previously presented) A compound according to claim 1 or claim 7 wherein R³ is a group X¹R⁹ where X¹ is oxygen.

11. (Cancelled)

12. (Previously presented) A compound according to claim 7 wherein R⁹ is selected from a group (1), (3), (6) or (10).

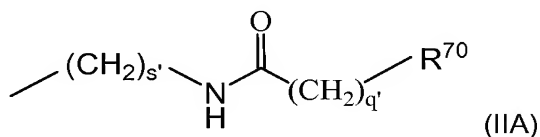
13. (Previously presented) A compound according to claim 12 wherein X is NH or O.

14-17. (Canceled)

18. (Previously presented) A compound according to claim 13 wherein R⁵ is a group of formula (iii).

19-20. (Canceled)

21. (Previously presented) A compound according to claim 13 wherein R⁸⁰ is a group of sub formula (II) which is a group of formula (IIA)



where q' is 0, 1, 2, 3 or 4;

s' is 0 or 1;

R⁷⁰ is C₃₋₇cycloalkyl,

or R⁷⁰ is of the Formula (III):

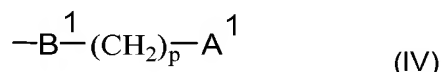


wherein J is aryl, heteroaryl or heterocyclyl and K is a bond, oxy, imino, *N*-(C₁₋₆alkyl)imino, oxyC₁₋₆alkylene, iminoC₁₋₆alkylene, *N*-(C₁₋₆alkyl)iminoC₁₋₆alkylene, -NHC(O)-, -SO₂NH-, -NH₂SO₂- or -NHC(O)-C₁₋₆alkylene-,

and any aryl, heteroaryl or heterocyclyl group in a R⁷⁰ group is optionally substituted by one or more groups selected from hydroxy, oxo, halo, trifluoromethyl, cyano, mercapto, nitro, amino,

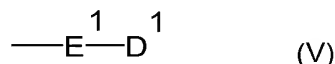
Application No. 10/088,856
 Amendment Dated 01/23/2007
 Reply to Office Action of 10/23/2006

carboxy, carbamoyl, formyl, sulphamoyl, C₁₋₆alkyl, C₂₋₆alkenyl, C₂₋₆alkynyl, C₁₋₆alkoxy, -O-(C₁₋₃alkyl)-O-, C₁₋₆alkylS(O)_n- wherein n is 0-2, N-C₁₋₆alkylamino, N,N-(C₁₋₆alkyl)₂amino, C₁₋₆alkoxycarbonyl, N-C₁₋₆alkylcarbamoyl, N,N-(C₁₋₆alkyl)₂carbamoyl, C₂₋₆alkanoyl, C₁₋₆alkanoyloxy, C₁₋₆alkanoylamino, N-C₁₋₆alkylsulphamoyl, N,N-(C₁₋₆alkyl)₂sulphamoyl, C₁₋₆alkylsulphonylamino and C₁₋₆alkylsulphonyl-N-(C₁₋₆alkyl)amino, or any aryl, heteroaryl or heterocyclyl group in a R⁷⁰ group is optionally substituted with one or more groups of the Formula (IV):



wherein A¹ is halo, hydroxy, C₁₋₆alkoxy, cyano, amino, N-C₁₋₆alkylamino, N,N-(C₁₋₆alkyl)₂amino, carboxy, C₁₋₆alkoxycarbonyl, carbamoyl, N-C₁₋₆alkylcarbamoyl or N,N-(C₁₋₆alkyl)₂carbamoyl, p is 1 - 6, and B¹ is a bond, oxy, imino, N-(C₁₋₆alkyl)imino or -NHC(O)-, with the proviso that p is 2 or more unless B¹ is a bond or -NHC(O)-;

or any aryl, heteroaryl or heterocyclyl group in a R⁷⁰ group is optionally substituted with one or more groups of the Formula (V):



wherein D¹ is aryl, heteroaryl or heterocyclyl and E¹ is a bond, C₁₋₆alkylene, oxyC₁₋₆alkylene, oxy, imino, N-(C₁₋₆alkyl)imino, iminoC₁₋₆alkylene, N-(C₁₋₆alkyl)-iminoC₁₋₆alkylene,

C₁₋₆alkylene-oxyC₁₋₆alkylene, C₁₋₆alkylene-iminoC₁₋₆alkylene,

C₁₋₆alkylene-N-(C₁₋₆alkyl)-iminoC₁₋₆alkylene, -NHC(O)-, -NHSO₂-, -SO₂NH- or

-NHC(O)-C₁₋₆alkylene-, and any aryl, heteroaryl or heterocyclyl group in a R⁷⁰ group is optionally substituted with one or more groups selected from hydroxy, halo, C₁₋₆alkyl, C₁₋₆alkoxy, carboxy, C₁₋₆alkoxycarbonyl, carbamoyl, N-C₁₋₆alkylcarbamoyl, N-(C₁₋₆alkyl)₂carbamoyl, C₂₋₆alkanoyl, amino, N-C₁₋₆alkylamino and N,N-(C₁₋₆alkyl)₂amino,

and any C₃₋₇cycloalkyl or heterocyclyl group in a R⁷⁰ group is optionally substituted with one or two oxo or thioxo substituents,

and any of the R⁷⁰ groups defined hereinbefore which comprises a CH₂ group which is attached to 2 carbon atoms or a CH₃ group which is attached to a carbon atom may optionally bear on each said CH₂ or CH₃ group a substituent selected from hydroxy, amino, C₁₋₆alkoxy,

N-C₁₋₆alkylamino, N,N-(C₁₋₆alkyl)₂amino and heterocyclyl;

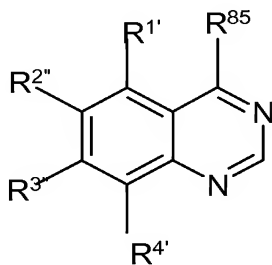
or R⁷⁰ may be cycloalkenyl.

Application No. 10/088,856
Amendment Dated 01/23/2007
Reply to Office Action of 10/23/2006

22. (Previously presented) A compound according to claim 1 or claim 21 wherein R⁸⁰ includes a group R⁷⁰ and said group is phenyl optionally substituted by halo.

23-25. (Cancelled)

26. (Withdrawn) A method for preparing a compound of formula (I) as defined in claim 1, which method comprises reacting a compound of formula (VII)



(VII)

where R^{1'}, R^{2''}, R^{3'}, and R^{4'} are equivalent to a group R¹, R², R³ and R⁴ as defined in relation to formula (I), and R⁸⁵ is a leaving group, with a compound of formula (VIII)



where X and R⁵ are as defined in relation to formula (I).

27- 28. (Canceled)

29. (Previously presented) A pharmaceutical composition comprising a compound according to any one of claims 1, 7, 12, 18, 21 or 32 or salt thereof, in combination with a pharmaceutically acceptable carrier.

30. (Canceled)

31. (Previously presented) A compound according to claim 1 wherein both R¹ and R⁴ are hydrogen.

32. (Previously presented) A compound according to claim 12 wherein one of R² or R³ is 3-morpholinopropoxy.

Application No.	10/088,856
Amendment Dated	01/23/2007
Reply to Office Action of	10/23/2006

33-36. (Cancelled)

37. (Previously presented) A method for treating colorectal or breast cancer in a warm blooded animal, such as man, in need of such treatment, which comprises administering to said animal an effective amount of a compound according to claim 1, or salt thereof.